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Access DB# 167316

SEARCH REQUEST FORM

Scientific and Technical Information Center

EIC 2600

Requester's Full Name Krista Zelt Examiner # 67644 Date 9/25/00
Art Unit 2000 Phone Number 2-7288 Serial Number 091218335
Office Location Jeff 2061 Format preferred (circle) PAPER EMAIL BOTH

If more than one search is submitted, please prioritize searches in order of need.
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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Let us know what you already have and so do not need. Include the keywords, synonyms and meaning of acronyms. Define all terms that may have a specific meaning. Please attach a copy of the background, abstract, claims and other pertinent information.

Please state how the terms or keyword strings should relate to one another.

Title of the Invention _____

Inventor(s) _____

US\$600,445

Earliest Priority date to be used _____

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Date completed _____
Search Prep/review _____
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TYPE of Search


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LEXIS/NEXIS _____
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Query/Command : prt max legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US5600445 A 19970204 [US5600445]

TI - (A) Modular copying system using light wave, electric wave, or sonic wave interconnections

PA - (A) RICOH KK (JP)

PA0 - Ricoh Company, Ltd., Tokyo [JP]

IN - (A) OMI KYOJI (JP)

AP - US21560894 19940322 [1994US-0215608]

PR - JP8935193 19930323 [1993JP-0089351]

IC - (A) G01D-015/00 G03G-021/00 H04N-001/00 H04N-001/40

EC - G03G-015/00
G03G-015/01S1
H04N-001/00E3
H04N-001/32K

ICO - T04N-201/32R2

PCL - ORIGINAL (O) : 358296000; CROSS-REFERENCE (X) : 346145000
358401000 358443000 399001000


DT - Corresponding document

CT - US4691237; US4962430; US5001574; US5087932; US5180232; DE3337682; DE3426313; DE3522907; DE3935713
Siemens AG, Bestellnummer: A 19100-E686-A104-V1, 1987, "Damit Meb--Und Prufgeschichten Kurzer Werden: Die Neunen PC-Mebgerate", 8 pages.

STG - (A) United States patent

AB - A modular copying system including combinations of printer, scanner, and system controller modules formed as independent frames. The scanner module includes devices for image reading, first data I/O and first synchronizing signal generation; the printer module includes devices for image forming, second data I/O and second synchronizing signal generation; and the system control module includes devices for third data I/O and system control. The modules are added or removed according to user requirements and the system is capable of accommodating up to seven modules. The modules are stacked in a vertical direction and arranging devices ensure proper module alignment. Once the modules are aligned and assembled in the system, communications between each module is accomplished via light wave, electric wave, or sonic wave transmission and reception. As a result, system interconnection is reduced, system noise is reduced and various connecting cables are eliminated. In addition, the system can be connected to a public ISDN line for transmitting detected system faults to the factory and for receiving fault diagnosis information which is displayed to a user via a display. Further, the system is capable of performing various image processing functions, such as processing with a space filter, image size conversion, image trimming, image movement, color image trimming, color correction, and tone conversion.

1 / 1 LGST - ©EPO

PN -  US5600445 A 19970204 [US5600445]
AP - US21560894 19940322 [1994US-0215608]
ACT - 19940422 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: RICOH COMPANY, LTD. 3-6, NAKAMAGOME 1-CHOME,
OHTA-; EFFECTIVE DATE: 19940301


19940422 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: OMI, KYOJI; EFFECTIVE DATE: 19940301

19990223 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19981222

20050111 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20040708

UP - 2005-05

1 / 1 CRXX - ©CLAIMS/RRX

PN -  5,600,445 A 19970204 [US5600445]
PA - Ricoh Co Ltd JP
ACT - 19981222 REISSUE REQUESTED
ISSUE DATE OF O.G.: 19991223
REISSUE REQUEST NUMBER: 09/218335
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2855

Reissue Patent Number:

20040708 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040111
REISSUE REQUEST NUMBER: 10/887558
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2111

Reissue Patent Number:

Search statement 4

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT.

5600445

February 4, 1997

Modular copying system using light wave, electric wave, or
sonic wave interconnections

LEXIS-NEXIS
Library: PATENTS
File: ALL

REISSUE: Reissue Application filed Dec. 22, 1998 (O.G. Feb. 23,, (O.G. February
23, 1999)
July 8, 2004 - Reissue Application filed Ex. Gp.: 2111; Re. S.N. 10/887,558
(O.G. January 11, 2005)

APPL-NO: 215608 (08)

FILED-DATE: March 22, 1994

GRANTED-DATE: February 4, 1997

CORE TERMS: module, processing, scanner, printer, manuscript, color, scanning,
recording, copying, picture ...

5,600,445 OR 5600445

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Library: PATENTS
File: JNLS

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 WASHINGTON TELECOM NEWSWIRE
 March 7, 2005, Monday

SECTION: TODAY'S NEWS

LENGTH: 456 words

HEADLINE: TELECOM IN TODAY'S NEWSPAPERS

BODY:

Top Story Wall St. Journal* -- Jurists sought documents as deliberations began in the accounting fraud trial of ex-WorldCom CEO Bernard Ebbers (<http://online.wsj.com/article/0,,SB110994751913470673,00.html?mod=telecommunications%5Fprimary%5Fhs>; Washington Post, <http://www.washingtonpost.com/wp-dyn/articles/A8572-2005Mar4.html>; Atlanta Journal-Constitution, http://www.ajc.com/business/content/shared-gen/ap/Finance_General/Ebbers_Trial.html). Among Others WSJ -- MCI CEO Michael Capellas is getting a \$13.5 million bonus for 2004 after leading the former WorldCom out of bankruptcy and putting the company up for sale (<http://online.wsj.com/article/0,,SB110997574077171015,00.html?mod=telecommunications%5Fprimary%5Fhs>).

-- Nortel Networks said it named Gary Daichendt, a former senior executive of rival Cisco Systems, as president (<http://online.wsj.com/article/0,,SB110994501287670629,00.html?mod=telecommunications%5Fprimary%5Fhs>). N.Y. Times -- The Bells are closer to allowing Net phone operators access to their emergency call infrastructure, which would ease a big hurdle in offering better 911 VoIP service (http://www.nytimes.com/cnet/CNET_2100-7352_3-5600445.html). Communications Daily -- The FCC has given a nonprofit consulting group a contract worth up to \$750,000 to see if the Commission can improve how it runs the E-rate program (p1).

-- The U.S. Telecom Assn. rebutted a Level 3 study on the financial effect of company's access charge petition to the FCC (p3).

-- CTIA'S Largent urged the FCC to deny NASUCA's billing petition on regulatory line items (p4). Boston Globe -- Carriers are looking into hybrid cellphones that become a VoIP cordless phones when you get within range of a wireless Internet connection (http://www.boston.com/business/personaltech/articles/2005/03/07/hybrid_phones_hold_promise_of_cellular_voip).


-- Figuring out a way to answer just how "voice over Internet protocol" works is just one of a host of questions carriers are grappling with (http://www.boston.com/business/personaltech/articles/2005/03/07/plugging_into_the_future/). Kansas City Star -- A \$40 local and long-distance bill from the '80s has become a \$100-plus price tag to stay in touch and stay informed (<http://www.kansascity.com/mld/kansascity/business/technology/11055928.htm>).

-- Vonage VoIP phone service suffers 45-minute outage (<http://www.kansascity.com/mld/kansascity/business/technology/11059283.htm>). _____ *

The Wall St. Journal and the Financial Times can be accessed online via paid subscription only.

Note: Email protocols often insert carriage returns into long URLs. You may have to copy-and-paste them into your browser. 0110-05

LOAD-DATE: March 9, 2005

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Patent Search - Number: 5600445

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